Abstract of the Invention

The invention is a method of allocation a computer to service a request for a data set in a system having a plurality of computers. The method is implemented on a neural having at an input layer having input nodes and an output layer having output nodes, where each output node is associated with a specific computer. Connecting the input nodes to the output nodes are weights $w(j,k)$. The method includes the following steps:

    (a)   receiving a request for particular data set I;

    (b)   imputing to the input layer an input vector having an entry $R(I)$ at input node I, the entry $R(I)$ being dependent upon the number of requests for the requested data over a predetermined period of time,

    (c)   selecting a computer assignment associated with of one of the output nodes to service said data request, where the output node selected is associated with a specific, the specific weight selected to minimize a predetermined metric measuring the distance between the vector entry $R(I)$ and the weights(I,k).